



REMO-EA

Digital Multifunction Power Meters



ISO 9001 Certified



Perceive the difference in energy management with Klemsan

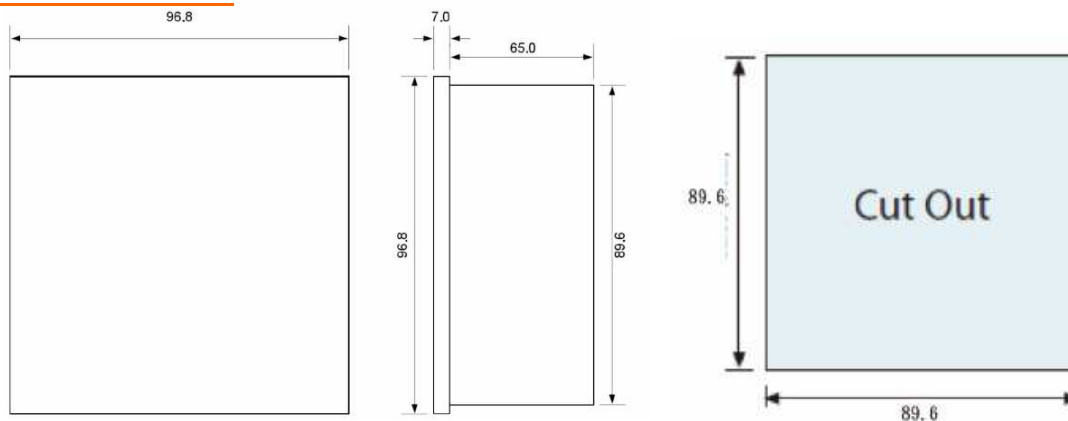
Ratings

Analog Input		
Wiring	3P3W,3P4W,3PAron	
PT(V)	1~300Vrms(L-N) , 2~500Vrms(L-L)	
CT(A)	0.05~6 Arms	
Measuring Frequency	45~65Hz	
Pulse or Digital Outputs		
Relay Outputs contacts	2NO ,5A 1250VA	
Pulse Outputs contacts	2 x 5~18VDC Max.24VDC · 50mA Protection : 3750Vrms Insulation	
Feeding		
Operation Voltage	85~265VAC ,120~350VDC	
Frequency	45~65Hz	
Feeding Power Consumption	< 3VA	
General		
PT ratio	1~2000	
CT ratio	1~2000	
Demand Period	Adjustable between 1~60 min	
Operation Temperature	-20°C~+70°C	
Storage Temperature	-30°C~+80°C	
Altitude	1000m and below	
Relative Humidity	90% max (95% no condensing)	
Air Discharge	Air 8KV / Contact 4KV(IEC-61000-4-2)	
Impulse Voltage	Over AC 2KV,1.2/50us(IEC-61000-4-5)	
Insulation Voltage	AC 2KV / 2min(AC 2KV/1min IEC61000-4-4)	
Overload	Voltage circuit	1.15xVn
	Current circuit	2xIn continue,20xIn/1sec
Non-volatile memories	512kB(option : 1MB)	
Installation	Panel mounted	
Dimensions	W96 x H96 x D72	
Protection class	IP40(option : IP54)	
Standards	IEC61326-1,IEC61000-4	
Communication	MODBUS/RS-485(1200~38400bps)	
User Interface		
Keypad	4 ESD protection keys	
LCD	Self-illuminated 160x240graphic display	

Measurement

	Measuring	Detail	Accuracy
Voltage	Average Voltage	Vavg	±0.1%
	Line Voltage	V12,V23,V13	±0.1%
	Phase Voltage	V1,V2,V3	±0.1%
Current	Line Current	I1,I2,I3	±0.1%
	Average Current	Iavg	±0.1%
	Neutral Current	In	±0.1%
Power	Total Active Power	P	±0.1%
	Phase Active Power	P1,P2,P3	±0.1%
	Total Rective Power	Q	±0.1%
	Phase Rective Power	Q1,Q2,Q3	±0.1%
	Total Apparent Power	S	±0.1%
	Phase Apparent Power	S1,S2,S3	±0.1%
Energy	Import & Export Active Power (per hour/per day/per month)	Wh	±0.1%
	Import & Export Reactive Power (per hour/per day/per month)	Varh	±0.1%
Frequency	Each Phase Frequency	Hz	±0.01Hz
PF	Average & each phase PF	PF,PF1,PF2,PF3	
THD	Voltage THD	V1(12),V2(23),V3(13) THD	
	Current THD	I1,I2,I3 THD	
Harmonic	Voltage harmonic	V1,V2,V3 1 st ~51th	
	Current harmonic	I1, I 2, I 3 1 st ~51th	
Demand	Demand total I,P,Q,S	I,P,Q,S	
	Demand each I,P,Q,S	I1~I3,P1~P3,Q1~Q3,S1~S3	
Max/min	Max/min V,I,P,Q,S,cos Φ	V,I,P,Q,S,cos Φ	
Temperature	Environment temperature	°C	

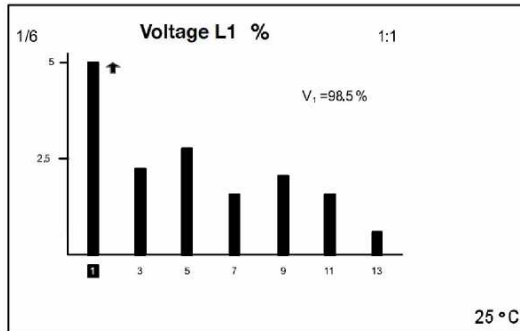
Dimensions unit:mm



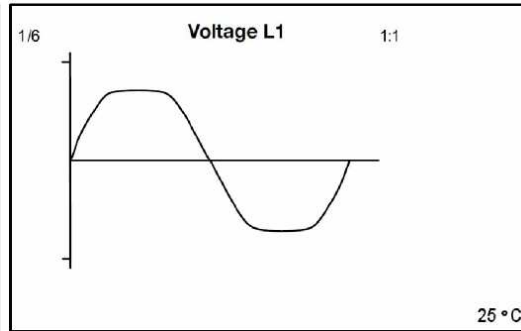
Other Features

Directly inspect all parameters depending on graphic display LCD.

Harmonic Spectrum

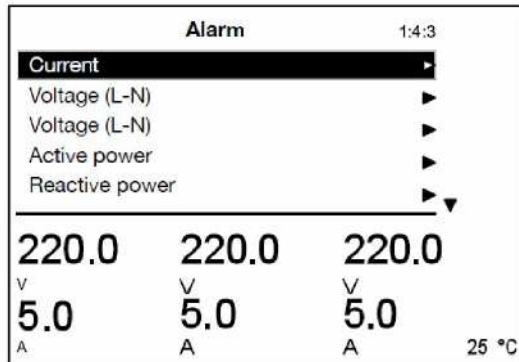


Signal Patterns

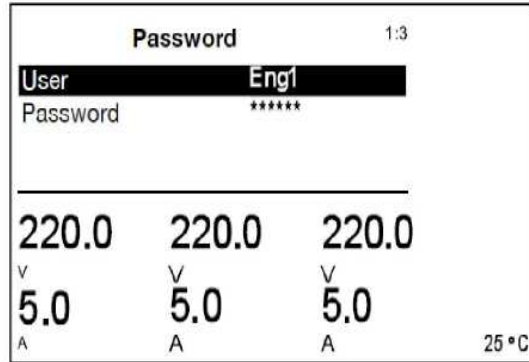


Provide useful functions for warning and safety.

Alarm setting



Password(3 different level)



Connection

